

What is claimed is:

1. A method of monitoring a digital camera comprising determining whether an amount of exposure is inappropriate and whether shakiness is present during the photographing of an object and notifying a user of the digital camera when the amount of exposure is inappropriate or when shakiness is present.

2. The method of claim 1 wherein determining whether the amount of exposure is inappropriate and whether shakiness is present comprises:

calculating a focus value of the object;

calculating a lower limit value of a compressed file size wherein the lower limit value of the compressed file size corresponds to a focus value of the object at a compression rate and a resolution set by the user; and

determining that the amount of exposure is not appropriate and shakiness is present when the size of a compressed file of image data obtained from the photographing of the object is smaller than the lower limit value of the compressed file size.

3. The method as claimed in claim 2, wherein, assuming that X is the focus value of the object, N is the number of samples, X_i is the focus value of an i-th sample, Y_i is the size of a compressed file size of the i-th sample at the

compression rate and resolution set by the user, a is
$$\frac{\left(\sum_{i=1}^N X_i\right)\left(\sum_{i=1}^N Y_i\right) - N\left(\sum_{i=1}^N X_i Y_i\right)}{\left(\sum_{i=1}^N X_i\right)^2 - N\left(\sum_{i=1}^N X_i^2\right)}$$

and b is
$$\frac{\left(\sum_{i=1}^N Y_i\right)\left(\sum_{i=1}^N X_i^2\right) - N\left(\sum_{i=1}^N X_i\right)\left(\sum_{i=1}^N X_i Y_i\right)}{N\left(\sum_{i=1}^N X_i^2\right) - \left(\sum_{i=1}^N X_i\right)^2}$$
, the lower limit value of the

compressed file size is set as $k(aX+b)$ in which $0 < k < 1$.

4. The method as claimed in claim 3, wherein k is between about 0.7 and 0.8.

5. A means for determining whether the amount of exposure is inappropriate and whether shakiness is present during the photographing of an object with a digital camera comprising:

a means for calculating a focus value of the object;

a means for calculating a lower limit value of a compressed file size wherein the lower limit value of the compressed file size corresponds to a focus value of the object at a compression rate and a resolution set by a user; and

- 5 a means for determining that the amount of exposure is not appropriate and shakiness is present when the size of a compressed file of image data obtained from the photographing of the object is smaller than the lower limit value of the compressed file size.